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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/506,793	09/07/2004	Hitoshi Adachi	APA-0214	APA-0214 6534	
23353	7590 09/25/2006		EXAM	EXAMINER	
RADER FISHMAN & GRAUER PLLC			MILLER, CARL STUART		
	LION BUILDING 1233 20TH STREET N.W., SUITE 501		ART UNIT	PAPER NUMBER	
	ON, DC 20036		3747		
			DATE MAILED: 09/25/200	6	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)		
Offic Action Summary		10/506,793	ADACHI ET AL.		
		Examiner	Art Unit		
		Carl S. Miller	3747		
	The MAILING DATE of this communication app	l .			
Period fo	• •				
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period ver to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N.  Mely filed  In the mailing date of this communication.  ED (35 U.S.C. § 133).		
Status					
1)[	Responsive to communication(s) filed on 7/05/	<u>′06</u> .			
2a) <u></u> □	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.		
Dispositi	on of Claims				
5)⊠ 6)⊠ 7)□	Claim(s) <u>1-8</u> is/are pending in the application.  4a) Of the above claim(s) <u>5 and 8</u> is/are withdra  Claim(s) <u>2,3,6 and 7</u> is/are allowed.  Claim(s) <u>1 and 4</u> is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/o				
Applicati	on Papers				
	The specification is objected to by the Examine	er.			
	The drawing(s) filed on is/are: a) ☐ acc		Examiner.		
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).		
44)[]	Replacement drawing sheet(s) including the correct				
11)[_]	The oath or declaration is objected to by the Ex	raminer. Note the attached Office	Action or form PTO-152.		
Priority ι	ınder 35 U.S.C. § 119				
a)	Acknowledgment is made of a claim for foreign  All b) Some * c) None of:  1. Certified copies of the priority document: 2. Certified copies of the priority document: 3. Copies of the certified copies of the priority document: application from the International Bureausee the attached detailed Office action for a list	s have been received. s have been received in Applicat rity documents have been receiv u (PCT Rule 17.2(a)).	ion No ed in this National Stage		
Attachmen		. 🗖 .			
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) 🔛 Interview Summary Paper No(s)/Mail D			
3) 🛛 Infor	nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>9/7/04&amp;11/23/05</u> .	5) Notice of Informal I			

Claims 5 and 8/1&5 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected species, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 7/05/06.

The election requirement is hereby made final, since the functional limitations of the non-elected claims are believed to represent patentably distinct species.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Thompson in view of Nakano.

Thompson teaches a common rail high-pressure injection system wherein the fuel pressure in the rail is monitored constantly and the injection is correlated to the pressure sensed at a particular time. This pressure further related to the identification of particular engine cylinders. The exact method of pressure sensing is not completely disclosed.

Nakano teaches a common rail fuel system used for a high-pressure injection engine wherein the rail pressure is sensed using a sampling method that includes a set time period. Since the sampling is done in this way, it will also be done during a lapse of a given time period.

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It would have been obvious to modify Thompson by using the sampling technique of Nakano to sense the rail pressure because both systems were high-pressure injection systems wherein the exact rail pressure would have been a critical factor in order to maintain a desired injection quantity.

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Claims 2-3 and 6-7 are allowed.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carl S. Miller whose telephone number is 571-272-4849. The examiner can normally be reached on MTWTHF.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Cronin, can be reached on 571-272-4536. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Primitry Examiner